

ENFORCER®

Vandal Rollerball Cameras

Manual



NTSC Models	PAL Models	Resolution	Housing	DNR	WDR
EV-2706-N3GQ	EV-2706-P3GQ	600 TVL	Gray		
EV-122C-DVB3Q	EV-125C-DVB3Q	480 TVL	Gray		
EV-2706-N3WQ	EV-2706-P3WQ	600 TVL	White		
EV-122C-DVH3Q	EV-125C-DVH3Q	480 TVL	White		

3X – Clear images in nearly any lighting situation

EV-2726-N3GQ*	EV-2726-P3GQ*	700 TVL	Gray	✓	✓
EV-2726-N3WQ*	EV-2726-P3WQ*	700 TVL	White	✓	✓

*Includes built-in OSD (On-Screen Display) controller

- 1/3" Sony CCD
- 3.6mm Lens
- 3-Axis ball mount for wall or ceiling mounting
- Weatherproof (IP66)
- Split-glass design to eliminate IR reflection
- Vandal-resistant design

SLI SECO-LARM

FC CE 

Note: Products with model numbers that end with "Q" or that have a round green "Q" sticker are RoHS compliant.

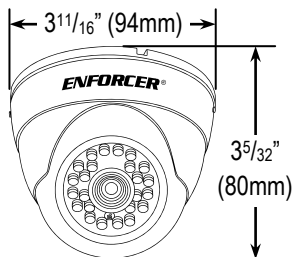
Specifications:

Model	NTSC	EV-122C-DVB3Q EV-122C-DVH3Q	EV-2706-N3GQ EV-2706-N3WQ	EV-2726-N3GQ EV-2726-N3WQ
	PAL	EV-125C-DVB3Q EV-125C-DVH3Q	EV-2706-P3GQ EV-2706-P3WQ	EV-2726-P3GQ EV-2726-P3WQ
CCD		1/3" Sony Super HAD II		1/3" Sony EXview HAD II
Resolution		480 TV lines	600 TV lines	700 TV lines
Pickup elements	NTSC	510x492	768x494	976x494
	PAL	500x582	752x582	976x582
DNR (2D-NR and 3D-NR)		No		Yes
WDR		No		Yes
OSD Control		No		Yes
Scanning system		2:1 interlace, V: 59.94Hz, H: 15.734KHz		
Sync		Internal		
Video output		1V p-p composite output, 75 ohms		
Lens		3.6mm		
# of IR LEDs		24 (850nm)		
IR Range		Up to 50' (15m)		
Minimum illumination	LEDs OFF	0.05 Lux	0.02 Lux	0.03 Lux
	LEDs ON	0 Lux		
Gamma correction		0.45		
S/N Ratio		>48dB		>52dB
DSS (Digital Slow Shutter)		256x		
Shutter control		Auto Electric Shutter (AES), 1/60~1/100,000 s		
Gain control		Auto		
White balance		Auto		
Operating voltage		12VDC ±10%		
Current draw	LEDs OFF	130mA	100mA	150mA
	LEDs ON	300mA	270mA	450mA
IP Rating		IP66		
Operating temperature		-4°~122° F (-20°~50° C)		
Dimensions		3 ¹¹ / ₁₆ "x3 ⁵ / ₃₂ " (94x80 mm)		
Cable length		38" (98cm)		
Weight		14-oz (400g)		

Parts List:

- 1 x Camera
- 1 x Manual
- 4 x Screws
- 4 x Screw anchors
- 1 x DC Plug with terminal block
- 1 x Hex wrench

Dimensions:

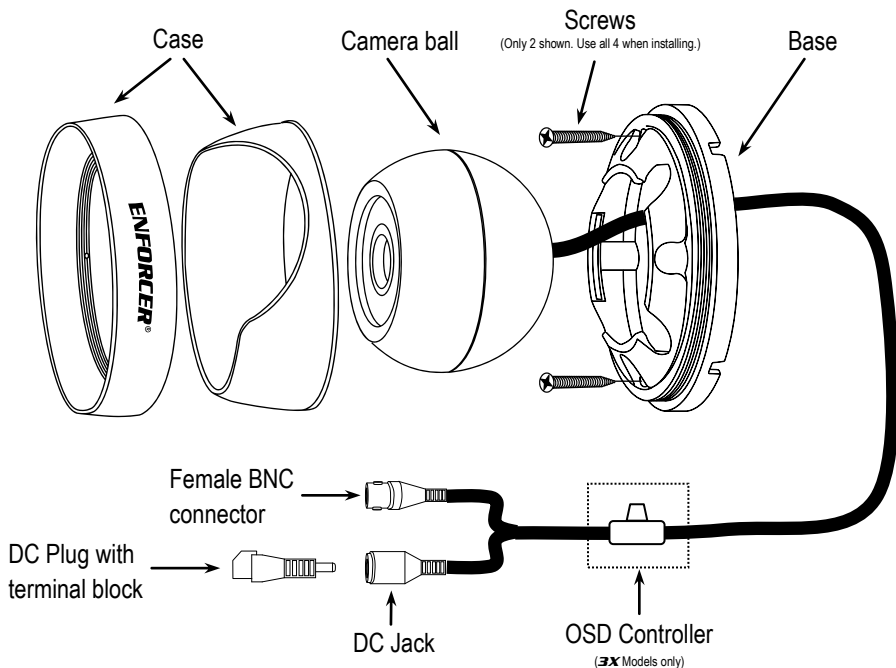


Optional Mounting

Brackets (Sold separately):

	Wall Mount
	Gray: EV-DWSGQ White: EV-DWSWQ
	Ceiling Mount
	Gray: EV-DCSGQ White: EV-DCSWQ
	Conduit Box
	Gray: EV-DSSGQ White: EV-DSSWQ

Overview:



Before Starting:

1. Please read this manual carefully and keep it for future reference.
2. Use the camera within the given temperature and electricity limits.
3. Do not point the camera at the sun. Heat could damage the camera, even when not in use.
4. Do not drop the camera or subject it to strong vibrations.
5. Do not mount the camera in areas exposed to radiation, strong magnetic fields, or strong electrical signals.

Installation:

1. Run a 12VDC power supply wire and a video cable with a male BNC connector through the wall to where the camera is to be mounted.
2. Loosen the set screws with the included hex wrench and remove the case from the base.
NOTE: The camera ball is NOT attached to the case or the base. It sits loose inside the case. Therefore, be very careful when removing the case from the base. Do not drop the camera ball.
3. Mount the base to the wall using the four included mounting screws. If the wall is made of dry wall, brick, or similar material, it may be necessary to use the included plastic screw anchors.
4. Run the camera's BNC and power connectors through the camera base, and connect to the video and power wires that were run through the wall.
5. Put the case over the camera ball onto the base. Be careful not to drop the camera ball.
6. Holding the case loosely on the base, turn the camera ball to the desired direction.
NOTE: Before securing installation, make sure to check both the day and night images. Adjust the camera ball in a way so that there are no objects blocking or obscuring the camera's view.
7. **3X Models Only:** Use the OSD controller joystick to adjust camera settings (see the separate OSD manual).
8. Once the ball is pointing in the desired direction, tighten the outer case ring to secure the camera in its position.
9. Do a final test of the video camera and monitor.

Troubleshooting:

The screen is black

- Check that the camera is powered up
 - Check that the power supply's polarity is correct
 - Check that the monitor is powered up
 - Check that the video cable connecting the camera to the monitor is connected properly
-

The image is foggy or washed out at night

- Check that there are no objects very close to the camera
 - Check that there are no highly reflective objects in the scene
-

The screen image is dim

- Clean the lens using a soft, clean cloth
 - Check that the light source is adequate
-

The screen image has poor contrast

- Adjust the monitor's contrast knob
 - Change the position of the camera
-

The screen image flickers

- Change the position of the camera
-

The screen image is distorted

- Change the position of the camera
-

The camera case is hot

- Check that the correct power supply is in use
-

IR LEDs do not turn on

- Check that the correct power supply is in use
-

IMPORTANT

Users and installers of this product are responsible for ensuring this product complies with all national, state, and local laws and statutes related to monitoring and recording audio and video signals. SECO-LARM will not be held responsible for the use of this product in violation of any current laws or statutes.

WARNING

Stop using the camera if you see a malfunction such as smoke or unusual heat, as it could cause fire or electric shock. Do not open the case of this device, as there are no field-serviceable components inside.

FCC COMPLIANCE STATEMENT

Information to the user: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his or her own expense.

WARRANTY: This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for a period of one (3) year from the date of sale to the original customer. SECO-LARM's obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM.

This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship.

The sole obligation of SECO-LARM and the purchaser's exclusive remedy, shall be limited to replacement or repair only, at SECO-LARM's option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damages of any kind to the purchaser or anyone else.

NOTICE

The information and specifications printed in this manual are current at the time of publication. However, the SECO-LARM policy is one of continual development and improvement. For this reason, SECO-LARM reserves the right to change specifications without notice. SECO-LARM is also not responsible for misprints or typographical errors.

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